

Session XI Agenda

- I. Status Update & Stakeholder Discussion – **60 minutes**
 - DESC IRP Process & Schedule Update
 - Open Discussion on Stakeholder Advisory Group

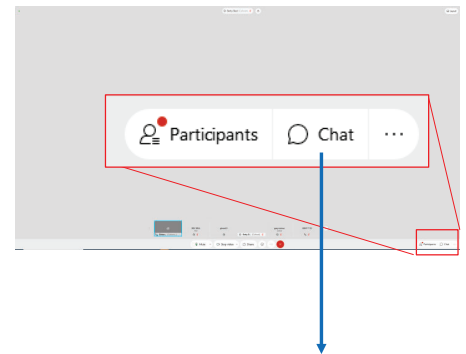
- II. Select Topics from Stakeholder Feedback– **30 minutes**
 - Coal Plant Retirement Coordination
 - Shared CC Gas Resource
 - 2022 & 2023 TIAs
 - High CO2 Forecast
 - Integration Costs

- III. Plans for Session XII and Next Steps– **15 minutes**

Q&A

- Microphones will be muted during presentations; we will open them when addressing questions at end of each section
- During presentations, questions can be submitted via the chat function
 - Only questions submitted in writing will be answered during live Working Group Sessions
- Each questioner will be allowed one follow-up question before they yield the floor to the next questioner
 - Please don't ask multiple questions in one question
 - If time permits and all questioners are answered, we will come back for additional questions
- All Q&As will be responded to in writing and placed on the web page:
 - <https://www.DESC-IRP-Stakeholder-Group.com>

Look for the chat function in the bottom right hand corner of the WebEx screen



Please type questions into the group chat

DESC IRP Stakeholder Advisory Group Session XI

I. Status Update & Stakeholder Discussion



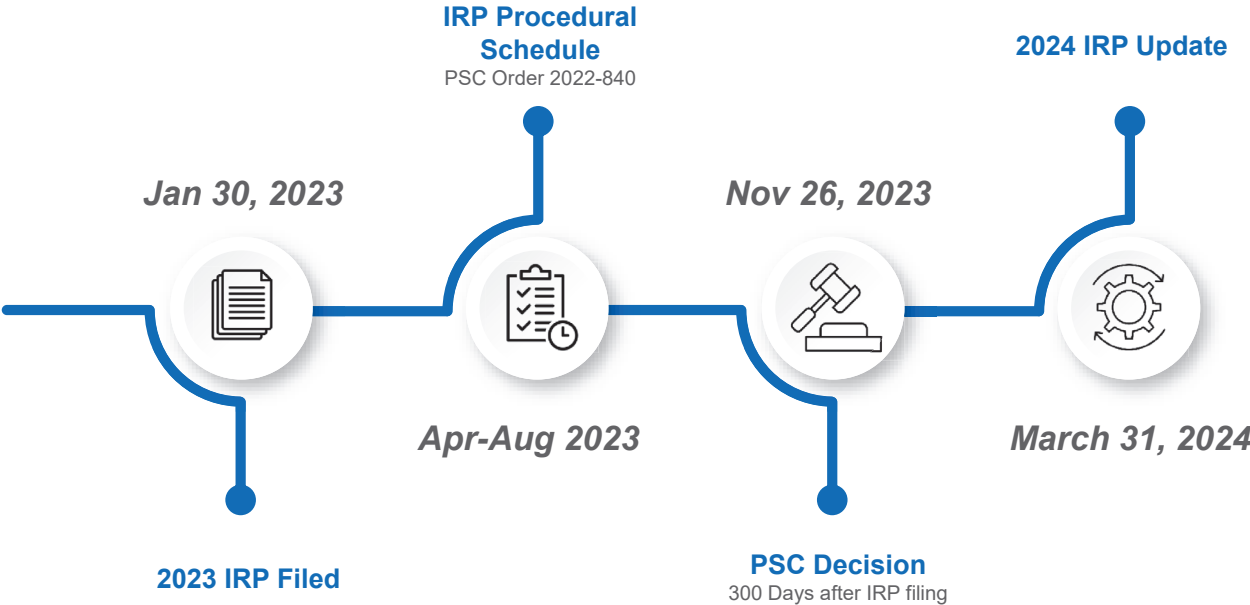
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Goal for Session XI

Define **priorities** and **methodology** for collaborating with the DESC IRP Stakeholder Advisory Group in 2023

DESC IRP Process & Schedule Update

Decision on 2023 IRP is due by November, leaving only four months until the 2024 IRP Update



Question #1

Can we continue a constructive Stakeholder Advisory Group with the 2023 IRP in litigation?

Question #2

What is and is not working well with the Stakeholder Advisory Group?

Working Well:

- Engaging on topics outlined in PSC Order 2020-832 and Order 2021-429
- Keeping stakeholders informed on methodology, inputs, and assumptions to IRPs
- Sharing of PLEXOS inputs and models
- Creating a forum for stakeholders to engage with DESC through meetings & HW questions

Areas for Improvement:

- Timeliness of inputs/results (DESC does not provide modeling interim results)
- Timeliness of feedback from Stakeholders for session development
- Providing opportunities for stakeholder input – two-way dialogue offering best practices
- Meetings focused on priority topics that incorporate stakeholder input
- Alternative means to engage with stakeholders

Question #2

What changes do you suggest for the Stakeholder Advisory Group process?

Working Well:

- Complexity of presentations/discussion
- Important to have Stakeholder Advisory Group – some information better than none
- Opportunity for discussion/dialogue
- Continue to provide information – ensure timeliness
- EV forecast

Areas for Improvement:

- Is stakeholder feedback incorporated into DESC processes?
- No reaction from stakeholder feedback
- Misrepresentation of stakeholder feedback in testimony
- How to make SAG process that continues to move forward
- Encourage 2-way dialogue
- DESC presence and input to SAG – more engagement
- Where have things landed? – results of discussion
- Areas where stakeholder ideas have influenced DESC process
- Stakeholder input – how it was incorporated or how it was considered, and a decision made

PSC Order 2020-832

DESC, in coordination with ORS, shall establish an ongoing IRP Stakeholder Process for the purpose of considering, and inviting stakeholder input and review on, certain **potentially complex changes** to DESC's IRP development **methodology, inputs and assumptions**.

Question #3

What priority topics should be covered with the Stakeholder Advisory Group?

- Resource Adequacy Analysis
- IRA Modeling – how to incorporate different credits/bonuses
- IIJA discussion
- Scenario Improvements
- Resource Candidates/Parameters
- Risks Metrics and Portfolio Evaluation
- **Process or methodology changes for the 2024 IRP Update**
 - Updates to methodology
 - EV load growth – charging deferred charging – ev mgmt plan (PLEXOS shifting load) – how can EV load be managed (limited by AMI data – 2024?) – discussion/benefits now – implementation later
 - Gas supply planning and generation planning – how influences fuel supply within IRP
 - *Implement PSC order to model 2% EE savings – covered in litigation*
 - **What is driving peak winter load – how are we modeling peak winter load – details on winter load forecast**
 - EE as a selectable resource – research, best practices, means to implement
 - Use AMI data to study cold weather trends in load – how to incorporate into IRP

Question #3

What priority topics should be covered with the Stakeholder Advisory Group?

2024 IRP Update



Proposed process for each priority topic:

1. Review current DESC process
2. Stakeholders provide input/feedback on priority topic (HW/Iterative process)
3. Present out on findings/updates at next Stakeholder Advisory Group Session

DESC IRP Stakeholder Advisory Group Session XI

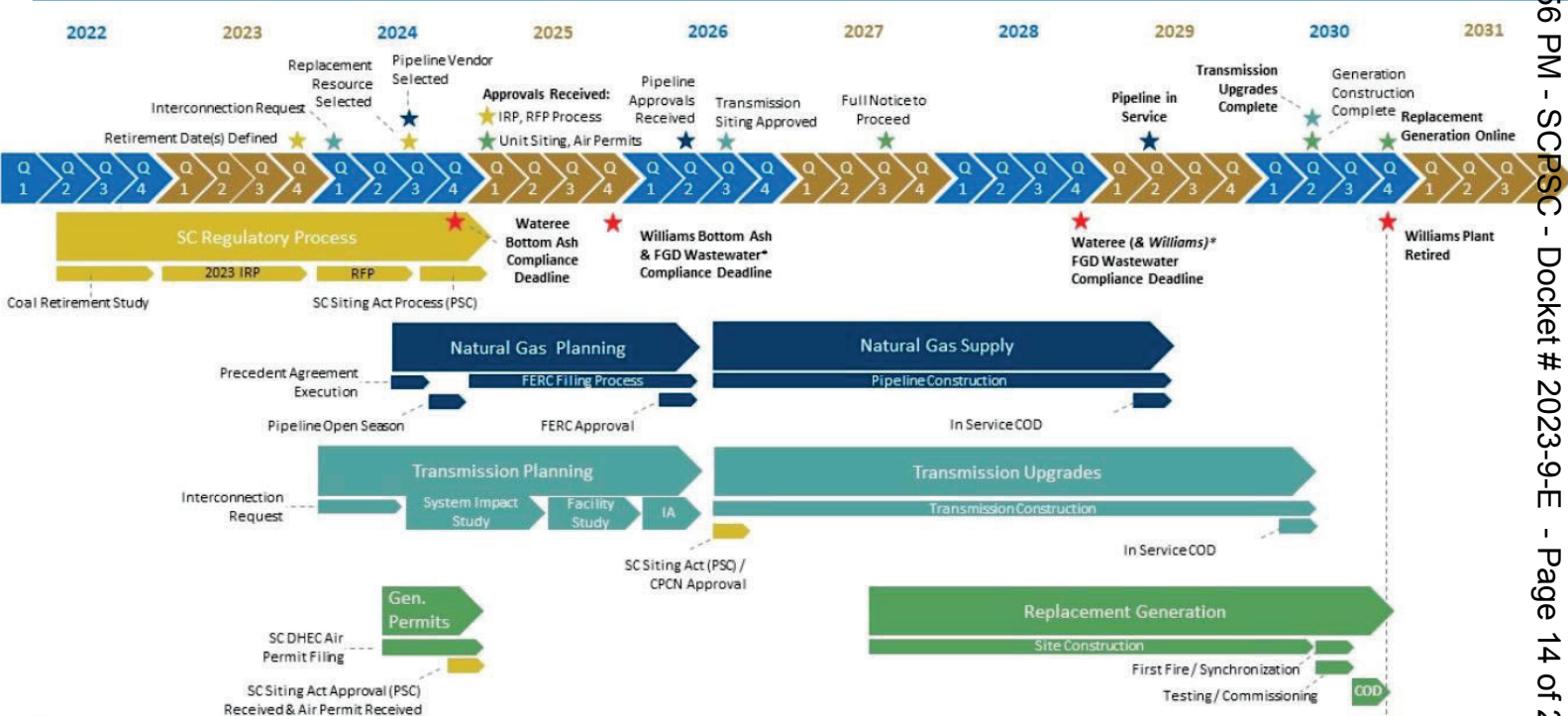
II. Select Topics from Stakeholder Feedback



Select Topics from Stakeholder Feedback

- Coal Plant Retirement Coordination
- Shared CC Gas Resource
- 2022 & 2023 TIAs
- High CO₂ Forecast
- Integration Costs
- *Discussion*

Coal Plant Retirement Coordination



Shared CC Gas Resource

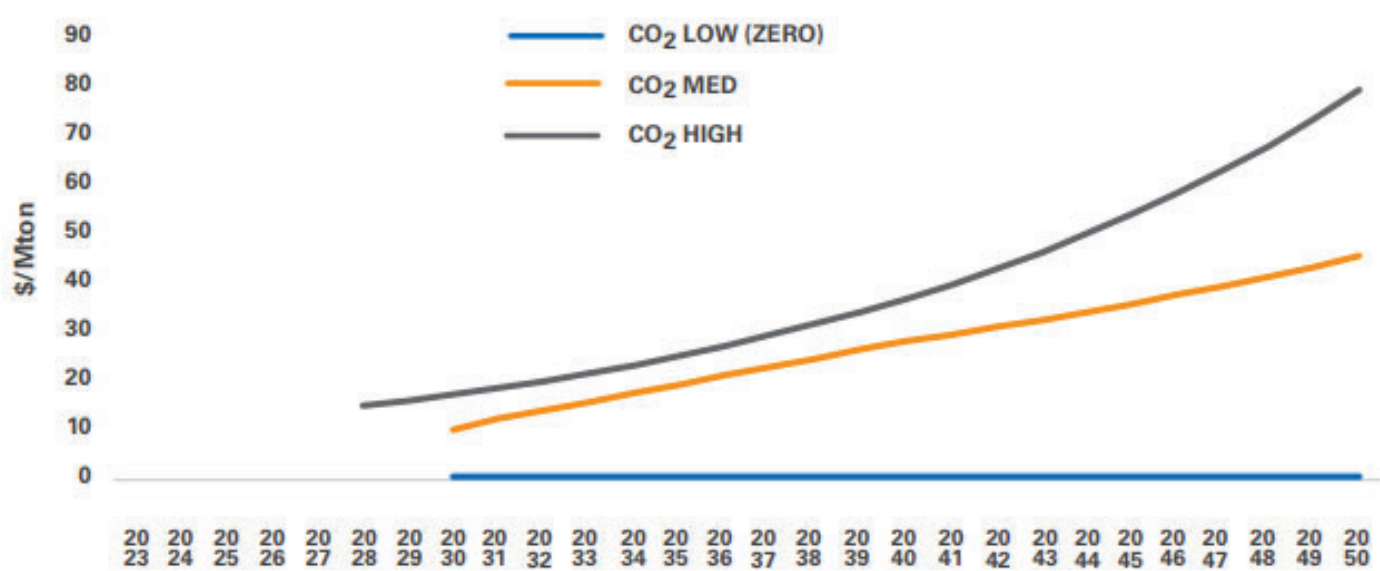
- Key reasons behind the switch from a CT gas plant to a jointly developed CC gas plant with Santee Cooper
- Discuss assumptions, planning considerations, and partnerships for the Joint development of a CC resource

2022 & 2023 TIAs

- 2022 TIA Results

- Amended 2023 TIA
 - Jointly Evaluating Canady's Site as optimal site
 - 1,300 MW and 1,800 MW shared natural gas fired combined cycle plants

High CO2 Sensitivity – Based on IHS “US Power Sector” CO2 Forecasts



Integration Costs

- Discussion on how PLEXOS takes into account the integration costs of solar assets including:
 - Integration costs of other intermittent resources including OSW
 - Whether PLEXOS assigns integration costs differently depending on whether the solar resource modeled is utility owned, PPA, or PURPA
 - The specific modeling of integration costs as well as dynamic constraints on operating reserves (if applicable)

Questions? Please use the Chat function

DESC IRP Stakeholder Advisory Group Session XI

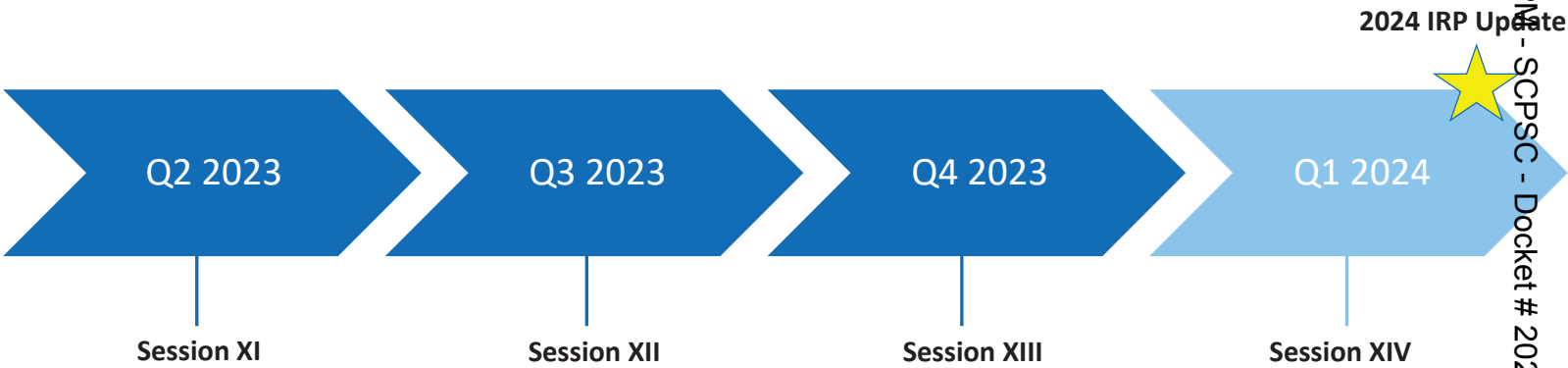
III. Plans for Session XI and Next Steps



Goal for Session XI

Define **priorities** and **methodology** for collaborating with the DESC IRP Stakeholder Advisory Group in 2023

Next Steps



Proposed process for each priority topic:

1. Review current DESC process
2. Stakeholders provide input/feedback on priority topic
3. Present out on findings/updates at next Stakeholder Advisory Group Session

Stakeholder Website Overview



The screenshot shows the homepage of the Stakeholder Website. At the top left is the Dominion Energy logo. To its right is the text 'Stakeholder Meeting Materials posted here before or shortly after Working Group Sessions'. Further right is a 'FAQ' link and the CRA International logo. Below the Dominion Energy logo is a vertical navigation menu with links: Home, Meeting Presentation and Materials, Stakeholder Materials, Register, Submit Questions, View Q & A, DESC, and CRA International. To the right of the menu is a main content area with three sections: 'About Dominion Energy South Carolina (DESC)', 'About the DESC IRP Stakeholder Working Group', and 'About Charles River Associates (CRA)'. Each section contains descriptive text about the organization and the stakeholder process.

Supplemental materials and QA support documents

Registered users can submit on-topic Questions to DESC

Published QA can be viewed by public

Stakeholder Meeting Materials posted here before or shortly after Working Group Sessions

FAQ

CRA International

Home

Meeting Presentation and Materials

Stakeholder Materials

Register

Submit Questions

View Q & A

DESC

CRA International

About Dominion Energy South Carolina (DESC)

Dominion Energy South Carolina, Inc. (DESC), a public utility headquartered in Cayce, South Carolina, is a South Carolina corporation organized in 1924. DESC is a wholly-owned subsidiary of SCANA Corporation which, effective January 2019, is a wholly-owned subsidiary of Dominion Energy, Inc. DESC is engaged in the generation, transmission and distribution of electricity to approximately 753,000 customers in the central, southern and southwestern portions of South Carolina. Additionally, DESC sells natural gas to approximately 392,000 residential, commercial and industrial customers in South Carolina.

About the DESC IRP Stakeholder Working Group

The DESC IRP Stakeholder Working Group is a forum for DESC to solicit feedback directly from Stakeholders and build consensus around its IRP inputs and process. The Working Group Sessions and website will also provide Stakeholders with greater transparency into the technical modeling, input assumptions, and other factors that affect IRP results. DESC first implemented the IRP Stakeholder Group in 2021 as instructed by the South Carolina Public Service Commission.

About Charles River Associates (CRA)

DESC has partnered with Charles River Associates (CRA) to facilitate the IRP Stakeholder Group process. CRA will support DESC by coordinating meetings and materials, facilitating live Working Group Sessions, managing the Stakeholder Website, and assisting in the presentation of certain technical materials by providing perspectives on industry trends and best practices.

<https://www.DESC-IRP-Stakeholder-Group.com>

Email DESC-IRP-Group@crai.com with questions about the website or if you have content to share with the Stakeholder Group

